

Form PTO-1449  
(REV. 8-83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DUCK NO.

HORI-101AX

SERIAL NO.

08/067,140

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Koichiro Hori

FILING DATE  
May 25, 1993GROUP  
3302

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
SPC	5	3	0	5	1	2	1		4/19/94	Moll	548	49	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

LEUBRECKER

DATE CONSIDERED

9/26/94

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<i>SM</i>		5	1	7	5	6	5	0	12/29/92	Takayama et al	<del>359</del>	<del>716</del>	
<i>SM</i>		5	0	2	5	7	7	8	6/25/91	Silverstein et al	128	4	
<i>SM</i>		4	9	0	5	0	8	2	2/27/90	Nishigaki et al	358	98	
<i>SM</i>		4	8	7	8	4	8	5	11/7/89	Adair	128	6	
<i>SM</i>		4	8	4	6	1	5	4	7/11/89	MacAnally et al	128	6	
<i>SM</i>		4	4	4	5	8	9	2	5/1/84	Hussein et al	604	101	
<i>SM</i>		4	4	4	4	4	6	2	4/24/84	Ono et al	350	96.25	
<i>SM</i>		3	2	6	1	3	4	9	7/19/66	Wallace	128	6	
<i>SM</i>		3	0	9	1	2	3	5	5/28/63	Richards	<del>128</del>	<del>6</del>	

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*S. LEUBBECKER*

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APPLICANT

Koichiro Horii

RECEIPT DATE

May 25, 1993

GROUP

3732

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
JM	4 9 7 9 4 9 7	12/25/90	Nobuyuki Matsuura et al.	128	4	
	4 9 2 4 8 5 3	5/15/90	Edwin R. Jones, Jr. et al.	128	6	
	4 9 0 5 6 6 8	3/06/90	Akira Ohsawa	128	6	
	4 8 7 9 9 9 2	11/14/89	Shinichi Nishigaki et al.	128	6	
	4 8 6 7 1 3 8	9/19/89	Tetsumaru Kubota et al.	128	6	
	4 8 6 7 1 3 7	9/19/89	Yutaka Takahashi	128	6	
	4 8 6 7 1 3 6	9/19/89	Akira Suzuki et al.	128	4	
	4 8 6 2 8 7 3	9/05/89	Akihiko Yajima et al.	128	6	
	4 8 5 0 3 4 2	7/25/89	Toshihiko Hashiguchi et al.	128	6	
	4 8 4 6 1 5 5	7/11/89	Kenji Kimura	128	6	
	4 8 3 2 0 0 3	5/23/89	Hisao Yabe	128	6	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
6 0 6 9 6 2 0	4/20/85	Japan			YES NO

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SM	4 6 6 7 2 2 9	5/19/87	David H. Cooper et al.	358	98	
	4 6 5 1 2 0 1	3/17/87	Arnold Schoolman	358	98	
	4 6 0 1 2 8 4	7/22/86	Satoshi Arakawa et al.	128	6	
	4 5 6 2 8 3 1	1/07/86	Makoto Murakoshi et al.	128	6	
	4 2 6 1 3 4 4	4/14/81	William C. Moore et al.	128	6	
	4 0 7 4 3 0 6	2/14/78	Yoshikazu Kakinuma et al.	358	1	
	3 5 9 2 1 9 9	7/13/71	Ralph G. Ostensen	128	6	
	5 1 6 6 7 8 7	11/24/92	Klaus Irion, et al	358	98	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
<i>SK</i>	3 4 9 6 9 3 1	02/24/70	H.W. PILLING	128	6	
	3 5 8 1 3 7 6	06/01/71	H.W. PILLING	29	419	
	3 8 1 7 2 5 1	06/18/74	HASSON	128	348	
	4 0 8 5 7 5 6	04/25/78	WEAVER	128	303.17	
	4 3 1 3 4 3 1	02/02/82	FRANK	128	7	
	4 3 2 7 7 3 8	05/04/82	GREEN ET AL	128	660	
	4 3 5 4 7 3 0	10/19/82	BEL	350	54	
	4 3 9 2 4 8 5	07/12/83	HILTEBRANDT	128	6	
	4 5 2 7 5 5 2	07/09/85	HATTORI	128	6	
	4 5 3 9 9 7 6	09/10/85	SHARPE	128	6	
	4 5 6 1 4 3 0	12/31/85	WALSH	128	6	

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PATENT AND TRADEMARK OFFICEATTY. CASE NO.  
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
<u>SM</u>	4 5 9 7 3 8 0	07/01/86	RAIF ET AL.	128	6	
	4 6 0 0 9 3 9	07/15/86	SLUYTER ET AL	358	98	
	4 6 0 0 9 4 0	07/15/86	SLUYTER ET AL	358	98	
	4 6 1 7 9 3 3	10/21/86	HASSON	128	348.1	
	4 6 5 1 2 0 1	03/17/87	SCHOOLMAN	358	98	
	4 7 1 0 8 0 7	12/01/87	CHIKAMA	358	98	
	4 7 6 0 8 4 0	08/02/88	FOURNIER, JR. ET AL.	128	303.1	
	5 0 8 5 6 5 8	02/04/92	MEYER	606	46	
	4 7 8 4 1 4 4	11/15/88	ONO ET AL.	128	634	
	4 8 5 4 3 0 2	08/08/89	ALFRED, III	128	6	
	4 8 6 5 0 1 8	09/12/89	KANNO ET AL.	128	6	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
yz	4 8 7 0 9 5 0	10/03/89	KAMBARA ET AL.	128	6	
	4 8 7 7 0 1 6	10/31/89	KANTOR ET AL.	128	6	
	4 9 2 4 8 5 3	05/15/90	JONES, JR, ET AL.	128	6	
	4 9 9 8 5 2 7	03/12/91	MEYER	128	6	
	5 0 2 7 7 9 2	07/02/91	MEYER	128	6	
	5 0 3 7 4 3 3	08/06/91	WILK ET AL.	606	139	
	5 0 6 6 2 9 5	11/19/91	KOZAK ET AL.	606	47	
	5 0 1 0 8 7 6	4/30/91	HENLEY ET AL.	128	6	

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